



June 9, 2016

Mr. John J. Entsminger
General Manager
Southern Nevada Water Authority
100 City Parkway, Suite 700
Las Vegas, NV 89106

Subject: Information Request Related to the Proposed Sunrise Mountain and Historic Lateral Weir Construction

Dear Mr. Entsminger:

The Nevada Environmental Response Trust (NERT or Trust) has been ordered by the Nevada Division of Environmental Protection (NDEP) to prepare an Engineering Evaluation / Cost Analysis (EE/CA) for transferring and treating groundwater extracted during construction of the Southern Nevada Water Authority (SNWA) proposed Sunrise Mountain and Historic Lateral weirs.

In accordance with the NDEP Order and SNWA's letter to NDEP dated March 15, 2016 indicating its willingness to provide the Trust with the necessary information to complete the EE/CA, the Trust respectfully requests the following information within seven (7) business days of the date of this letter:

1. A map and GIS coordinates for specific anticipated dewatering locations associated with the Sunrise Mountain and Historic Lateral weir construction projects.
2. A description of where work is planned to occur – specifically if any work will be conducted on Bureau of Reclamation land, or if all work areas will be constrained to Clark County land.
3. All information known by the SNWA regarding hydrologic modeling in the vicinity of the Sunrise Mountain and Historic Lateral weirs that would constrain the predicted dewatering rates for each of these weir construction projects.
4. Estimated schedule of bidding and construction of Sunrise Mountain and Historic Lateral weirs.
5. Historical data for previously constructed weirs and information associated with the proposed construction of Sunrise Mountain and Historic Lateral weirs including but not limited to:
 - a. All available groundwater quality information, particularly for the following constituents (please also note if the requested constituents listed have not been analyzed):
 - i. Perchlorate
 - ii. Chlorate
 - iii. Chloride
 - iv. Ammonia
 - v. Sodium
 - vi. Calcium
 - vii. Magnesium
 - viii. Nitrate
 - ix. Sulfate
 - x. Selenium
 - xi. Phosphorous

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- xii. Chromium
 - xiii. Total Dissolved Solids
 - xiv. Chemical Oxygen Demand
 - xv. Biochemical Oxygen Demand
 - b. Perchlorate loading to Las Vegas Wash;
 - c. Previous weir construction permits (e.g., National Pollutant Discharge Elimination System construction dewatering permits, including all analytical and field parameter data requirements) and copies of reports and submittals made under these permits;
 - d. Narrative description of weir construction and dewatering process and sequencing;
 - e. Dewatering methods and details of the planned systems;
 - f. Typical or as-built design of weirs;
 - g. Groundwater extraction (pumping) rates, including:
 - i. minimum, average, and peak flows extraction rates;
 - ii. factors that drive pumping rates; and
 - iii. information on how pumping rates have been controlled in the past
 - h. Duration of groundwater extraction activities.
6. Conceptual dewatering plans including anticipated site-specific dewatering rates and dewatering schedules for construction of the Sunrise Mountain and Historic Lateral weirs, including data used for development of proposed dewatering rates and perchlorate mass discharge calculations.
 7. GIS compatible property ownership information and SNWA access agreements for land within a 2,500-ft radius of proposed weir construction locations and within a 2,500-ft buffer of the Las Vegas Wash along both the north and south banks between the proposed Sunrise Mountain and Historic Lateral weirs. If SNWA does not have land access and ownership information fully encompassing the 2,500-ft buffer areas, please provide the land access and ownership information that SNWA does have in the vicinity and between the proposed Sunrise Mountain and Historic Lateral weirs.
 8. Access agreements for NERT contractors to sample wells within 1,500-ft of the Las Vegas Wash in the vicinity of and between the Sunrise Mountain and Historic Lateral weirs, including, but not limited to, wells WMW6.55S, WMW6.15S, and WMW5.58S, coordinated through SNWA's existing access agreements with Bureau of Reclamation and Clark County.
 9. Any Environmental Assessment or Environmental Impact Statement previously conducted by SNWA related to the weir construction project, in particular any documents specific to endangered species, wetlands, and impacts mitigation measures.

Sincerely,

Tetra Tech



Dan Pastor

Project Manager

cc: James Dotchin – NDEP BISC Las Vegas
 WeiQuan Dong – NDEP BISC Las Vegas
 Zach Hills – SNWA
 David Johnson – SNWA
 Alison Fong – U.S. Environmental Protection Agency, Region 9

Tanya O'Neill – Foley & Lardner LLP
Steve Clough – Nevada Environmental Response Trust
Andrew Steinberg – Nevada Environmental Response Trust
Derek Amidon – Tetra Tech, Inc.